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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/051,579	O	01/18/2002	Atsuhito Noda	A1-212 US	8662
23683	7590	07/31/2002			
	NCORPO		EXAMINER		
2222 WELLINGTON COURT LISLE, IL 60532				LEON, EDWIN A	
				ART UNIT	PAPER NUMBER
				2833	
				DATE MAILED: 07/31/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)
	10/051,579	NODA, ATSUHITO
Office Action Summary	Examiner	Art Unit
	Edwin A. León	2833
The MAILING DATE of this communication ap		
Period for Reply	V 10 05T TO EVOIDE -	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply sepecified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may ly within the statutory minimum of t will apply and will expire SIX (6) Me, cause the application to become	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).
1) Responsive to communication(s) filed on	<u> </u>	
2a) This action is FINAL . 2b) ⊠ T	his action is non-final.	
3) Since this application is in condition for allow closed in accordance with the practice under		
Disposition of Claims		
4) Claim(s) 1-10 is/are pending in the applicatio		
4a) Of the above claim(s) is/are withdra	wn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-8</u> is/are rejected.		
7)⊠ Claim(s) <u>9 and 10</u> is/are objected to.		
8) Claim(s) are subject to restriction and/ Application Papers	or election requirement.	
9) The specification is objected to by the Examina	er	
10) The drawing(s) filed on \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		the Examiner
Applicant may not request that any objection to the		
11) The proposed drawing correction filed on		
If approved, corrected drawings are required in re		
12) ☐ The oath or declaration is objected to by the E	xaminer.	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C	c. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ⊠ None of:		
1. Certified copies of the priority documer	ts have been received.	
2. Certified copies of the priority documer	ts have been received in	Application No
Copies of the certified copies of the pricapplication from the International B * See the attached detailed Office action for a lis	ureau (PCT Rule 17.2(a)).
14) Acknowledgment is made of a claim for domes	tic priority under 35 U.S.	C. § 119(e) (to a provisional application).
a) The translation of the foreign language portion 15) Acknowledgment is made of a claim for domes	• •	
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice	w Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-152)

Art Unit: 2833

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beshears (U.S. Patent No. 6,079,986) in view of Applicant's admitted prior art. With regard to Claims 1 and 4, Beshears discloses a coaxial connector comprising a coaxial plug (40) and a coaxial receptacle (14) electrically connected to the coaxial plug (40) by inserting the coaxial plug (40) therein, wherein: the coaxial plug (40) includes a plug main body (14,60) made of an insulative resin, and a plurality of pin type terminals (72,74) protruded from a surface of the plug main body (14,60); and the pin type terminals (72,74) are divided into one signal terminal (72,42) and a plurality of ground terminals disposed around the signal terminal (72,42), the signal terminal (72,42) is disposed at a central portion of a planar surface (where 14 is located) to be protruded from the planar surface (where 14 is located), and the ground terminals (74) are disposed around the signal terminal (72,42). See Figs. 13-17.

Beshears does not show the coaxial plug provided at an end of a cable.

Art Unit: 2833

Applicant's admitted prior art discloses the use of a coaxial plug at an end of a cable. See Page 1, Lines 4-21.

Thus, it would have been obvious to one with ordinary skill in the art at the time the invention was made to modify the coaxial connector of Beshears by connecting the plug to an end of a cable as taught in Applicant's admitted prior art to make the connector suitable for systems using coaxial cables.

The limitation "for right-angled connection" has not been given patentable weight since it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. *Ex. parte Masham*, 2 USPQ2d 1647 (1987).

With regard to Claim 2, Beshears discloses the ground terminals (74) being arranged such that distances between adjacent ground terminals (74) are set to be equal to one another. See Figs. 16-17.

With regard to Claim 3, Beshears discloses the ground terminals (74) being arranged such that distances from the signal terminal (72,42) to the ground terminals (74) are set to be equal to one another. See Figs. 16-17.

With regard to Claim 5, Beshears discloses two of the ground terminals (74) being provided, which are disposed to be point-symmetric with respect to the signal terminal (72,42). See Figs. 16-17.

Art Unit: 2833

With regard to Claim 6, Beshears discloses three of the ground terminals (74) being provided, which are disposed at respective apex positions of a regular triangle centered by the signal terminal (72,42). See Figs. 16-17.

With regard to Claim 7, Beshears discloses four of the ground terminals (74) being provided, which are disposed at respective corner portions of a regular square centered by the signal terminal (72,42). See Figs. 16-17.

With regard to Claim 8, Beshears discloses eight of the ground terminals (74) being provided, which are respectively disposed at corner portions of a regular square centered by the signal terminal (72,42) and at longitudinal middle points of sides of the regular square. See Figs. 16-17.

Allowable Subject Matter

3. Claims 9-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The references fail to teach, disclose, or suggest, either alone or in combination, the coaxial receptacle includes an insulative housing having a surface formed with a plurality of guide holes into which the signal terminal and the ground terminals are respectively inserted, and a plurality of contacts disposed within the guide holes of the insulative housing; the contacts includes a signal contact contacted with the signal terminal and ground contacts contacted with the ground terminals; and the surface of

Art Unit: 2833

4

the insulative housing has a planar portion surface-contacted with the planar surface of the coaxial plug.

Conclusion

- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Monroe (U.S. Patent No. 4,453,796), Mummey et al. (U.S. Patent No. 4,548,453), Lazar et al. (U.S. Patent No. 4,889,500), Morlion et al. (U.S. Patent No. 5,961,355), and Hosler, Sr. et al. (U.S. Patent No. 5,842,872) disclose coaxial connectors having plugs, receptacles, signal and ground terminals.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (703) 308-6253. The examiner can normally be reached on Monday Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Edwin A. Leon AU 2833 EAL July 15, 2002

THO D. TA
PRIMARY EXAMINER

Page 5